I hope you are doing well and thank you again for your time this Monday.  
  
As discussed, the second step of the interview process is a technical exercise in NodeJS to be presented in a call.  
  
We prepared a skeleton of an application in NodeJS/Express/MongoDB on Github ([https://github.com/AirportAI/](https://github.com/AirportAI/AirportAI-exercise-skeleton)). Please clone or fork it and develop your implementation on top of it in your Github account. You can share a public repository or send me a zip file of your local project so we can review it. Please make it a git repository even if local, so we can follow your changes through commits.  
  
The idea is to prototype a Lost and Found system for an airport to be used as a REST API, where we can manage and search for lost products. An agent at the airport is able to list / create / delete products, while a passenger is able to search for his lost product. A list of rough steps in priority order:

* list/create/delete products;
* search for a product by keywords (e.g. type of product, brand, color, etc) and lost time (e.g. "2023-01-01T10:30:00Z");
* extend the search endpoint to use a message instead of keywords (e.g. 'I lost my Samsung S4 phone'). The lost time should still be a different input, not parsed from the message;
* simple airport agent authentication;
* prepare a postman collection to interact with the API.

Make your own assumptions on what database models and code structure work best for the use case. If you see you don’t have time to develop everything, write in pseudo code or just plan what your approach would be for the remaining points for us to discuss.  
  
The evaluation of the exercise will be based on the following criteria:

* logic used for solving the real world scenario;
* application architecture;
* code quality and clarity;
* input validation and security;
* quality assurance and testing.

I’m sending you a couple of links that I think are good resources to help you with the above and when developing with NodeJS in general:

* good practices on API design - [https://hackernoon.com/](https://hackernoon.com/restful-api-designing-guidelines-the-best-practices-60e1d954e7c9)
* best practices for NodeJS - [https://github.com/](https://github.com/goldbergyoni/nodebestpractices)
* style guide for Javascript - [https://github.com/airbnb/](https://github.com/airbnb/javascript)